

Serial No. 10/083,374

IN THE CLAIMS:

1. (Currently Amended) An adhesive composition for bonding two or more kinds of different members which consists essentially of comprises a uniform mixture of a brazing material and a particulate material that reduces thermal stress, wherein a base metal for said brazing material is Au, Ag, Cu, Pd, Al or Ni, and said particulate material is ceramics fine particle, cermet fine particle or low-expansion metal fine particle.

2. (Canceled)

3. (Original) An adhesive composition according to claim 1, wherein said particulate material is ceramics fine particle with a surface coated with a metal by plating or sputtering.

4. (Original) A composite member which comprises two or more kinds of different members differing in thermal stress from each other and an adhesive composition bonding two or more of said different members and comprising a brazing material and a particulate material that which reduces thermal stress.

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5. (Original) A composite member according to claim 4, wherein a base metal for said brazing material is Au, Ag, Cu, Pd, Al or Ni, and said particulate material is ceramics fine particle, cermet fine particle or low-expansion metal fine particle.

6. (Original) A composite member according to claim 4, wherein said particulate material is ceramics fine particle with a surface coated with a metal by plating or sputtering.

7. (Original) A composite member according to claim 4, wherein at least one of two or more kinds of said different members is a ceramics member.

8. (Original) A composite member according to claim 4, wherein two or more kinds of said different members comprise a combination of a ceramics member and a metallic member.

9. (Original) A composite member according to claim 4, which is a member for gas separation tubes.